Calling Billing Number Delivery - FG B Protocol

This arrangement allows the ESP to receive the billing number (ANI - 7 digit) of the party who originated the call to the ESP with the signaling information that is transmitted to the ESP during call setup. This signaling information will be transmitted using a Feature Group B protocol over a direct circuit switched trunk side connection.

Generic Name of ONA Service	GTE Product Name	BSE or CNS
Calling Billing Number Delivery - FG B Protocol	Automatic Number Identification	BSE

FEATURE OPERATION:

1. An ESP's client will dial (1)+950+0XXX or (1)+950+1XXX to reach the ESP. The XXX is the ESP's Carrier Identification Code (CIC).

2. ESP equipment may need to prompt the end user (e.g., via second dial tone) for additional information in order for the ESP to process the call.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1. This feature is available in the following central office switches:

Switch Type	Earliest Generic Release
DCO	14.1
EWSD	7
GTD-5	1.6.2.1
VIDAR	8.1.7.5
1AESS	1AE8A
5ESS	5E2(2)
DMS-100	BCS19
#2EAX	1.2.9.1

2. ESPs that purchase trunk side access service utilizing FG B protocol will be assigned a Carrier Identification Code (CIC) and must establish a Point of Presence (POP) in each LATA served. The CIC code will be the same for both FG B protocol and FG D protocol. However, in the future, CIC codes for trunk side access services utilizing FG B protocol and FG D protocol may be assigned independently.

3. ESPs must order direct trunks between each FG B protocol end office switch they wish to serve and their POP. The ANI optional feature must be ordered on all trunks. (Calling Billing Number

Delivery - FG B Protocol cannot be provided using tandem arrangements, as the tandems utilizing FG B protocol do not have the ability to pass ANI.)

4. The ANI data forwarded to the ESP consists of the seven (7) digit billing number of the station originating the call and one ANI information digit.

5. Destination code information, such as the called number, may be transmitted to the ESP from rotary stations provided the ESP orders the Rotary Dial Station Signaling option. This feature is available only from suitably equipped end offices.

6. Calls may be forwarded to ESPs using call forwarding services.

7. This service may be available in other switches equipped for Equal Access service.

8. References:

   - o TR-TSY-000698 Feature Group B FSD 20-24-0300, Issue 1, June 1989, Rev. 1, July 1990.
   - o TR-NPL-000175 Compatibility Information for Feature Group B Switched Access Service, Issue 1, July 1985.
   - o TR-NWT-000334 Switched Access Service: Transmission Parameter Limits and Interface Combinations, Issue 3, March 1993.

This service, if offered as a BSE, is associated with the Circuit Switched Trunk basic serving arrangement.

Calling Billing Number Delivery - FG D Protocol

This arrangement allows the ESP to receive the billing number (ANI - 10 digit) of the party who originated the call to the ESP with the signaling information that is transmitted to the ESP during call setup. This signaling information will be transmitted using a Feature Group D protocol over a circuit switched trunk side connection.

Generic Name of ONA Service	GTE Product Name	BSE or CNS
Calling Billing Number Delivery - FG D Protocol	Automatic Number Identification	BSE

FEATURE OPERATION:

1. An ESP's client that is presubscribed to that ESP will dial (1) + 7/10 digits to reach the ESP. If the ESP's client chooses another carrier as his/her presubscribed carrier, the ESP's client would dial 10XXX + (1) + 7/10 digits or 10XXX+# to reach the ESP. The XXX would be the ESP's Carrier Identification Code (CIC).

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1. ESPs that purchase trunk side access service utilizing FG D protocol will be assigned a Carrier Identification Code (CIC) and must establish a Point of Presence (POP) in each LATA served.

2. ESPs may order (1) direct trunks between each equal access switch and the ESP's POP, or (2) trunks between FG D protocol equal access tandems and the ESP's POP, or (3) a combination of direct and tandem trunks. The trunks must be ordered with the ANI feature where ANI is an optional feature, in order for the ESP to receive the calling billing number.

3. Calls may be forwarded to the ESP using call forwarding services.

4. This feature is available in the following central office switches:

Switch Type	Earliest Generic Release
DCO	14.1
EWSD	7
GTD-5	1.6.2.1
VIDAR	8.1.7.5
DMS-10	210.4
1AESS	1AE8A
5ESS	5E2(2)
DMS-100	BCS19
#2EAX	1.2.9.1

5. The service may be available in other switches equipped for Equal Access service.

6. References:

- o LSSGR (FR-NWT-000064), FSD 20-24-0000, LSSGR: IC/INC, Issue 1, March 1991, Module TR-TSY-000690.
- o TR-NPL-000258 Compatibility Information for Feature Group D Switched Access Service, Issue 1, October 1985.
- o TR-NWT-000334 Switched Access Service: Transmission Parameter Limits and Interface Combinations, Issue 3, March 1993.

References for CCS7:

- o TR-TSV-000905 Common Channel Signaling (CCS) Network Interface Specification, Issue 1, August 1989.
- o TR-NWT-000394 Switching System Generic Requirements for Interexchange Carrier Interconnection Using the Integrated Services Digital Network User Part (ISDNUP), Issue 4, December 1992.

This service, if offered as a BSE, is associated with the Circuit Switched Trunk basic serving arrangement.

Calling Directory Number Delivery - via ICLID

Calling Directory Number Delivery via Calling Number Delivery (CND) (CLASS sm) allows the subscriber to receive the telephone number of the caller prior to answering the call.

When Calling Number Delivery (CND) is assigned to the subscriber's line, the directory number of the calling party, the time of the call and the date are sent to, and displayed on, the called party's Customer Premises Equipment (CPE) during the first long silent interval of the ringing cycle (between the first and second rings). If the calling party is outside the area in which the service works, the called party's CPE will receive an "O" which in most cases is displayed as "Out of Area" (actual display is the function of the CPE used).

Generic Name of ONA Service	GTE Product Name	BSE or CNS
Calling Directory Number Delivery - via ICLID	Caller ID	BSE or CNS

FEATURE OPERATION:

The customer must contact the telephone company to have the Calling Directory Number Delivery service activated. Once the translation changes have been made to the customer's line and the customer has installed the appropriate CPE, the calling number, date and time of the call is automatically transmitted to the customer's CPE. If the service is offered on a usage-sensitive basis, the customer has the option of turning the display device on and off by using the service access codes *65 or 1165 for activation and *85 or 1185 for deactivation. If the service is offered on a flat-rate basis, the display device cannot be turned on and off using the access codes.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1. This feature is available in the following central office switches:

Switch Type	Earliest Generic Release
EWSD	9
GTD-5	1.6.2.1
DMS-10	404.4
1AESS	1AE10*
5ESS	5E5
DMS-100	BCS28

NOTE: * Available on intraoffice basis with generic 1AE9.

2. The serving central office switch must be equipped with the appropriate CLASS(sm) Calling Number Delivery software and hardware. In order for this service to work on an interoffice basis,

both the originating and terminating switches must be equipped with the CLASS(sm) and the Common Channel Signaling (CCS) SS7 software and hardware and the interoffice trunks must be converted to SS7.

3. This service is a "line" service and therefore cannot be assigned to subscribers with trunk terminations (i.e., PBX with DID). This service is also unavailable to multiparty lines, coin terminating and 1A ESS remote switching system (RSS) lines. This service requires on-hook transmission, therefore there may be instances (MFT, Channel Banks) where this service may not work.

4. The subscriber must have a station set or a display device adjunct to the station set capable of receiving and displaying the calling directory number. The subscriber is responsible for the purchase and installation of this display device.

5. If the subscriber answers the telephone during the first ringing interval, the calling directory number will not be displayed at the CPE.

6. References:

   - TR-TSY-000031, CLASS(sm) Feature: Calling Number Delivery, FSD 01-02-1051, Issue 1, January 1990, Bulletin 1, February 1992.

   - TR-TSY-000030, SPCS Customer Premises Equipment Data Interface, Issue 1, November 1988.

This service, if offered as a BSE, is associated with the Circuit Switched Line basic serving arrangement.

CLASS is a service mark of Bellcore (Bell Communications Research, Inc.)

Carrier Selection On Reverse Charge

800 Service is a telecommunications service in which any charges for the call are paid by the called party rather than the calling party. Dial access for the service is in the form of 1-800-NXX-XXXX.

The 800 Service subscriber purchases service from particular areas and incurs all the costs associated with processing calls for the calling parties. The unique reverse billing feature provides the calling party with "free" calls, while allowing the 800 Service customer, the called party, to encourage calls from parties of choice.

Generic Name of ONA Service	GTE Product Name	BSE or CNS
Carrier Selection On Reverse Charge	800 Service	BSE

FEATURE OPERATION:

800 Service provides for the assignment of a single ten digit 800 Number (i.e., 800+XXX+XXXX) to the customer which can be used on a state wide basis for intraLATA calling. The service can be selected for an area consisting of less than an entire state by specifying a desired area of service.

The basic 800 Service to an individual customer consists of the following capabilities:

1. The assignment of a single 800 number, which allows but does not require the subscriber to use one 800 number nationwide.
2. A termination that connects a location specified by the customer to the LEC's switched facilities.
3. Access to a single exchange or interexchange carrier for intraLATA transport.
4. Carrier selection.
5. Customer defined area of service.
6. The offering of national directory assistance listings to be passed to the national directory assistance provider.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1. This feature is available in the following central office switches:

Switch Type	Earliest Generic Release
DCO	14.1
EWSD	7
GTD-5	1.6.2.1
VIDAR	7.0.1.2
ITT-1210	7.2
1AESS	1AE10.10.2
5ESS	5E4
DMS-100	BCS30
#2EAX	1.2.9.1

2. References:

- o BOC Notes on the LEC Networks - 1990.
- o LSSGR (FR-NWT-000064), Section 8.1.
- o LSSGR (FR-NWT-000064), Section 4.2, FSD 02-01-0020, 800 Service (INWATS), Issue 2, April 1991, Module TR-TSY-000504.
- o LSSGR FSD 31-01-0000 Service Switching Points, Issue 2, April 1991, Module TR-TSY-000504.

This service, if offered as a BSE, is associated with the Circuit Switched Line basic serving arrangement.

Customer Originated Trace

Customer Originated Trace (CLASSsm) capability allows a customer to have the last incoming number automatically traced. The results of the trace are not provided directly to the customer; they are output to an authorized agency. This capability requires that both the originating and terminating central offices be equipped with Common Channel Signaling (CCS) SS7 and be interconnected by SS7.

Generic Name of ONA Service	GTE Product Name	BSE or CNS
Customer Originated Trace	Call Tracing Service	CNS

FEATURE OPERATION:

Depending on the Local Exchange Company's implementation of this service, the customer either contacts the telephone company to request the service, which requires a service order, or the service is automatically available on an office basis to everyone. In either scenario, once the appropriate translations are done to the line(s), the customer can initiate a trace of the last incoming call (after hanging up) by going off-hook and dialing *57 (1157 for rotary dial). The customer then receives one of the following type announcements depending on how the service is implemented:

- o One-Level Announcement

  If the calling number is valid, an announcement is given informing the customer that the trace was successful and instructs the customer what to do next. If the calling number is invalid, an announcement is given indicating why the trace cannot be done and dial tone is returned to the customer.

- o Two-Level Announcement

  The customer receives an announcement explaining that they have accessed the Customer Originated Trace service. Then, if the calling number is valid, the customer is instructed to dial "1" if they wish to activate the service and trace the call or to hang up to abort. If the customer dials "1", an announcement is given informing the customer that the trace was successful and instructs the customer what to do next. If the calling number is invalid, an announcement is given indicating why the trace cannot be performed and dial tone is returned to the customer.

The results of the trace are not given to the customer. They are released to the appropriate law enforcement agency only upon a further request by the customer.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1. This feature is available in the following central office switches:

Switch Type	Earliest Generic Release
DCO	17.2
EWSD	11
GTD-5	1.6.3.3
DMS-10	404.4
1AESS	1AE10*
5ESS	5E5
DMS-100	BCS28

Note: * Available on an intraoffice basis with 1AE9.

2. The serving central office switch must be equipped with the appropriate CLASSsm Customer Originated Trace software and hardware. In order for this service to work on an interoffice basis, both the originating and terminating switches must be equipped with the CLASSsm and the Common Channel Signaling (CCS) SS7 software and hardware and the interoffice trunks must be converted to SS7. This service is only offered on an intraLATA basis at this time.

3. This is a "line" service and therefore cannot be assigned to subscribers with trunk terminations (i.e., PBX with DID). This service is also unavailable to multiparty lines and 1AESS remote switching system (RSS) lines. In addition, this service is unavailable to customers that have denied originating and denied terminating treatment.

4. The information delivered to the authorized agency includes: the called telephone number, the calling telephone number, the date, and the time of the call.

5. If the customer has Call Waiting and if the Call Waiting is activated during a call, the call waited number is the number that will be traced if Customer Originated Trace is activated.

6. References:

   - LSSGR (FR-NWT-000064), TR-TSY-000216 CLASSsm Feature: Customer Originated Trace, FSD 01-02-1052, Issue 2, June 1988, Bulletin 1, February 1994.

CLASS is a service mark of Bellcore (Bell Communications Research, Inc.)

Distinctive Ringing

Distinctive Ringing (CLASS sm) alerts a customer via a special ringing pattern when receiving a call from a pre-specified list of directory numbers. If the customer is also a subscriber to Call Waiting service, and is off-hook on a call, a special Call Waiting tone will be sent to the customer if the calling party's number is on the pre-specified list.

Generic Name of ONA Service	GTE Product Name	BSE or CNS
Distinctive Ringing	VIP Alert	CNS

FEATURE OPERATION:

The customer must contact the telephone company to initiate Distinctive Ringing service. A service order is required. The customer initiates control of the Distinctive Ringing screening list contents as well as activation and deactivation of the service by dialing access codes as described below. Once the appropriate translations have been made to the customer's line the customer may activate, deactivate and/or use the service as follows:

1. 1A ESS: To activate the Distinctive Ringing service, the customer must go off-hook and dial *61 (1161 for rotary dial). The customer will then receive an announcement providing the following information:

    - The name of the service.
    - The service is now active.
    - The number of entries on the list.
    - The instructions for creating/adding numbers to the list, removing subscribers entries from the list, reviewing the list.

2. To deactivate the service, the customer must go off-hook and dial *81 (1181 for rotary dial). The customer will then receive an announcement providing the following information:

    - The name of the service.
    - The service is now off.
    - The number of entries on the list.
    - The instructions for removing any subscriber list entry, removing all subscriber entered numbers.

3. 5ESS and DMS-100: To activate or deactivate the Distinctive Ringing service, the customer must go off-hook and dial either *61 or *81 (1161 or 1181 for rotary dial). Once either access code has been successfully entered, the customer should receive an announcement providing the following information:

   - The name of the service.
   - The status of the service (active or inactive).
   - The number of entries on the list.
   - The instructions for creating/adding, removing, reviewing the list, changing of service status (active to inactive, inactive to active).

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1. This feature is available in the following central office switches:

Switch Type	Earliest Generic Release
DCO	17.2
EWSD	7
GTD-5	1.6.2.1
DMS-10	404.4
1AESS	1AE10*
5ESS	5E6
DMS-100	BCS31**

NOTE: * Available on an intraoffice basis with 1AE9.
** References to switching system generics that have not yet been released by the vendors are based on our current information about which features are planned for inclusion in those generic releases. If the vendors change the availability of any features for future generic releases that are referenced in this document, the availability of some services may be affected.

2. The maximum directory number list size is pre-determined by the telephone company on a company basis and can range from 2 to 31.

3. The serving central office switch must be equipped with the appropriate CLASS(sm) Distinctive Ringing/Call Waiting software and hardware. In order for this service to work on an interoffice basis, both the originating and terminating switches must be equipped with the CLASS(sm) and Common Channel Signaling (CCS) SS7 software and hardware and the interoffice trunks must be converted to SS7.

4. This service is a "line" service and therefore cannot be assigned to subscribers with trunk terminations (i.e., PBX with DID). This service is also unavailable to customers with the following types of lines: multiparty, hotel/motel, coin and coinless public, 1A ESS remote switching system lines (RSS) and Centrex attendant with console. In addition, because of the special ringing, this service may not work where channel banks (FX service), MFTs or bridge lifters are used (depending on circuit design).

5. The ringing tone and the call waiting tone that a customer hears have a short-long-short pattern. Some telephone companies use this pattern for more than one service.

6. There are certain digital loop carrier plug-ins that will not transmit the required distinctive ringing.

7. References:

- o TR-TSY-000219 CLASS(sm) Feature: Distinctive Ringing/Call Waiting, LSSGR (FR-NWT-000064) FSD 01-01-1110, Issue 2, November 1988.

- o TR-TSY-000220, CLASS(sm) Feature: Screening List Editing, FSD 30-28-0000, Issue 2, March 1991.

CLASS is a service mark of Bellcore (Bell Communications Research, Inc.)

Distinctive Ringing - Terminating Screening

Distinctive Ringing - Terminating Screening (non-CLASS sm) provides individual ringing signals for customers who have multiple directory numbers (DNs) assigned to a single line appearance of a circuit switch. One DN is designated as the "master" DN and receives regular ringing. Additional DNs associated with the single line appearance receive distinctive ringing signals.

Generic Name of ONA Service	GTE Product Name	BSE or CNS
Distinctive Ringing - Terminating Screening	Smart Ring	CNS

FEATURE OPERATION:

1. A customer may request from the telephone company that up to four Directory Numbers (a primary and three secondary) be assigned to their line. A service order is required.

2. Once provisioned, a unique ringing pattern is applied to the customer's line for each of the assigned directory numbers dialed by the calling party. The calling party always hears a normal audible ringing pattern.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1. This feature is available in the following central office switches:

Switch Type	Earliest Generic Release
DCO	17
EWSD	9
GTD-5	1.6.2.1
DMS-10	403.21
1AESS	1AE9
5ESS	5E4
DMS-100	BCS25
#2EAX	1.3.5.1

2. This service is only available on single party lines with superimposed ringing.

3. The primary number (PDN) receives normal ringing. Ringing patterns for the secondary numbers

(SDNs) is as follows:

SDN1 - 2 long rings
SDN2 - 2 short rings, 1 long ring
SDN3 - 1 short ring, 1 long ring, 1 short ring

4. Customers with Call Waiting will receive a unique Call Waiting tone for each directory number dialed.

5. Customers with Call Forwarding - Variable may have the option at subscription of being able to forward only the primary number or forwarding all directory numbers upon service activation.

6. If other Call Forwarding features are assigned to the primary number, they are also provided for the secondary numbers.

7. Originating Custom Calling features such as Three Way Calling or Speed Calling can be assigned to the primary number only.

8. References:

   - o LSSGR FSD 01-01-1000.

CLASS is a service mark of Bellcore (Bell Communications Research, Inc.)

Hot Line

This automatic dialing feature provides the customer with the ability to automatically be connected with another line on the circuit switched network. When the customer's station goes off-hook, a switched connection is set up without any further user action.

Generic Name of ONA Service	GTE Product Name	BSE or CNS
Hot Line	Automatic Ring Down Circuit Signaling	CNS

FEATURE OPERATION:

1. A subscriber to this service, upon going off-hook to initiate a call, will be automatically connected to a single predetermined number. No digits dialed by the subscriber will be accepted by the Central Office switch.

2. The service, including the predetermined number, is activated via a service order with the telephone company. Changes in the predetermined number can only be made via an additional service order.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1. This feature is available in the following central office switches:

Switch Type	Earliest Generic Release
DCO	15.1
EWSD	7
GTD-5	1.1.2.1
VIDAR	7.1.0.2
ITT-1210	7.2
1AESS	1AE8A
5ESS	5E2(2)
DMS-100	BCS23
#2EAX	1.2.9.1

2. The predetermined number can be any valid seven to fifteen digit number.

3. Incoming calls are unaffected by this service.

4. A subscriber to Hot Line CANNOT have other originating features on the same line (i.e., Speed

Calling, Warm Line, Call Forwarding, Three-Way Calling, Call Transfer).

5. References:

- o LSSGR (FR-NWT-000064), FSD 01-02-0301, Manual Line Features, Issue 1, May 1990, Module TR-TSY-000562.

Message Waiting Indicator (MWI) - Ability To Receive Audible Message Waiting

With this capability, the ESP's client can receive the audible message waiting signal, i.e., stutter dial tone (or recall dial tone), when activated by the ESP. This capability is a client option. The line should be programmed with this feature in order for the client to receive stutter dial tone (message waiting tone).

To activate or deactivate the stutter dial tone on the client's line with the ability to receive audible message waiting, the ESP uses an SMDI data link to the central office switch.

Generic Name of ONA Service	GTE Product Name	BSE or CNS
Message Waiting Indicator (MWI)-Ability To Receive Audible Message Waiting	MWI-Ability to Receive Audible Message Waiting	CNS

FEATURE OPERATION:

1. Once the MWI feature is assigned to the ESP's client's line, there is no required action by the client to activate/deactivate the feature.

2. Any ESP can turn off/on a client's Message Waiting Indicator providing they reside in the same Central Office as the client.

3. With appropriate line translations in Stored Program Control switches, an ESP can turn on or off a special recall dial tone (stutter dial tone) to notify their clients of an awaiting message. Whenever the client attempts to originate a call, the client receives stutter dial tone. This indicates to the client that a message(s) has been received by the ESP for the client. The client will receive stutter dialtone each time he attempts to originate a call until the ESP sends a message to the switch to remove the stutter dialtone (MWI).

4. An ESP's client can use call forwarding busy line (CFBL), call forwarding don't answer (CFDA), or call forwarding variable (CFV) to forward their calls to the ESP.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1. This feature is available in the following central office switches:

Switch Type	Earliest Generic Release
EWSD	9
GTD-5	1.7.1.1
DMS-10	404.3
1AESS	1AE8A
5ESS	5E4.2*
DMS-100	BCS29**

Note: * In the 5ESS, this feature requires the non-standard pre-ISDN arrangement using the ISDN 1 Message AP/ACP or 3A translator with the 5E4.2 Generic.

** In the DMS-100, BCS29 supports this feature on Residential Enhanced Services (RES).

2. This feature can only be offered on an Intraoffice basis.

3. References:

- o For MWI: TR-TSY-000283, Simplified Message Desk Interface (SMDI) Generic Requirements, Issue 2, May 1991, Supplement 1, December 1991.

- o Recall dial tone (stutter dial tone) described in LSSGR (FR-NWT-000064), Section 6.4.3 Call Progress Signals, Issue 3, September 1991, Module TR-TSY-000506.

Multiline Hunt Group

Multiline Hunting provides a software-defined search for an idle terminal to which a call can be completed. When calls are placed to a Multiline Hunt Group, hunting begins with a member designated by the dialed directory number and hunts sequentially through the group until an idle member is found or the end of the designated list is encountered. If no idle member is found, busy tone is returned to the calling party. Several types of hunting arrangements are available: Regular Hunting, Circular Hunting, and Preferential Hunting.

Preferential hunting provides individual terminals in a hunt group a "preferential list" that consists of any terminals in the hunt group to be hunted in any sequence. If the telephone number of the called line is found busy, the preferential list is sequentially hunted for an idle line. If all the terminals in the preferential list are found busy, the last number of the preferential list is the start hunt telephone number for the regular or circular hunt group. The effect is to make a hunt group member the "pilot" of it's own hunt group.

Generic Name of ONA Service	GTE Product Name	BSE or CNS
Multiline Hunt Group	Hunt Group Arrangement	BSE

FEATURE OPERATION:

The Regular Line Hunting capability offers a hunting arrangement in which hunting begins with the terminal number associated with the called number and continues sequentially through the last terminal number in the Multiline Hunt Group where the hunting is stopped.

The Circular Line Hunting capability offers a hunting arrangement in which hunting begins with the terminal number associated with the called number and continues sequentially through the last terminal number in the Multiline Hunt Group where hunting resumes at terminal 1 and continues through the terminal preceding the start hunt terminal.

The preferential hunting arrangement allows a prehunt over a subset or preferential list of terminals before hunting through the hunt group. The hunt group can be either a circular or regular hunt group. All terminals in the group can have their own preferential list. When a call is to terminate to a group with preferential hunting, the address of the preferential list is obtained and conditional hunting is performed. The first terminal in the list is examined, and if idle, an attempt is made to terminate the call. If busy, the next terminal in the preferential list is examined and so on until an idle terminal is found. If an idle line is not found, then the last terminal in the list is used as the start hunt number into the regular or circular hunt group. A regular or circular hunting is performed, and if no idle terminal is found via a search through the entire group, the calling party receives busy tone.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1. This feature is available in the following central office switches:

Switch Type	Earliest Generic Release
DCO	15.1
EWSD	7
GTD-5	1.6.2.1
VIDAR	7.0.1.2
ITT-1210	7.2
DMS-10	208.1
1AESS	1AE8A
5ESS	5E2(2)
DMS-100	BCS17
#2EAX	1.2.9.1

Note: * Regular and Circular Hunting only are available in the 5ESS switch.

2. These Hunting features are compatible with the majority of Distinctive Ringing and Three-Way Calling features in the 1A ESS, 5ESS and the DMS-100 switches. The Call Forwarding features are compatible with the hunting techniques in the 1A ESS and 5ESS switches.

3. The Call Waiting feature is compatible with preferential hunting in both the 1A ESS and the DMS-100.

4. In the 1A ESS, the preferential list can have a maximum of 18 terminals assigned to be hunted before returning to the hunt group. In the DMS-100, the preferential list can have a maximum of 19 terminals assigned, including the pilot number, to be hunted before returning to the hunt group.

5. In the DMS-100, preferential hunting is compatible with the Distributed Hunt Number feature.

6. References:

   - o LSSGR (FR-NWT-000064), FSD 01-02-0802, Multiline Hunt Service, Issue 1, May 1990, Module TR-TSY-000569.

This service, if offered as a BSE, is associated with the Circuit Switched Line basic serving arrangement.

Multiline Hunt Group - Uniform Call Distribution Line Hunting

The Uniform Call Distribution line hunting arrangement allows for equal distribution of incoming calls to all terminal numbers within a hunt group.

Generic Name of ONA Service	GTE Product Name	BSE or CNS
Multiline Hunt Group - Uniform Call Distribution Line Hunting	Uniform Call Distribution Arrangement	BSE

FEATURE OPERATION:

1. When an incoming call (to the Directory Number of the multiline hunt group) is received, hunting should begin at the start-hunt terminal and proceed as a circular hunt.

2. When an idle terminal is found, the call should be completed, and immediately (even before another call attempts to terminate) a new circular hunt should begin for an idle terminal. This hunt should begin at the terminal number after the one that the call was just completed. When an idle terminal is found, the hunt should stop and the idle terminal number should be stored as the start-hunt terminal for the next incoming call to the Directory Number (DN) of the multiline hunt group (MLHG). If no idle terminal is found after a complete circular hunt is made, the stored start-hunt DN should be the DN of the last completed call.

3. If an incoming call is not to the DN of the MLHG but to a DN associated with one of the terminals of the MLHG instead, the start-hunt terminal as defined above for Uniform Call Distribution should not be used. Instead, the incoming call should be directed to the terminal associated with the called DN directly. If the called DN terminal is busy, a circular hunt should begin at the called DN terminal and continue until an idle terminal is found. If none is found, the incoming call should be given busy treatment. In either case, the next incoming call to the MLHG DN uses a start-hunt number as determined by 2 above, which is unaffected by the call to a terminal's direct DN.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1. This feature is available in the following central office switches:

Switch Type	Earliest Generic Release
DCO	15.1
EWSD	7
GTD-5	1.6.3.3
1AESS	1AE8A
5ESS	5E2(2)
DMS-100	BCS25

2. In the 1A ESS and 5ESS switches, Call Waiting - Terminating and series completion cannot be assigned to lines with the UCD feature. In the DMS-100, the Universal Call Distribution feature is not compatible with Automatic Call Back, Automatic Recall, Automatic Call Distribution, Bridged Night Number, Calling Number Delivery, Calling Number Delivery Blocking, Distributed Line Hunting, Distributed Number Hunting, Multiline Hunting, Preferential Hunting and Stop Hunt.

3. References:

   - LSSGR (FR-NWT-000064), FSD 01-02-0802, Multiline Hunt Service, Issue 1, May 1990, Module TR-TSY-000569, see "uniform call distribution hunting."

This service, if offered as a BSE, is associated with the Circuit Switched Line basic serving arrangement.

Multiline Hunt Group - UCD With Queuing

This feature provides the capability for a UCD multiline hunt group to be equipped with the queuing feature. The queuing feature provides a means for automatically queuing calls to a multiline hunt group when all hunting group terminations are busy.

Generic Name of ONA Service	GTE Product Name	BSE or CNS
Multiline Hunt Group - UCD With Queuing	Queuing	BSE

FEATURE OPERATION:

1. Calls made to a UCD multiline hunt group equipped with the queuing feature will complete immediately if there is an idle terminal in the UCD hunt group. However, if all terminals in the UCD hunt group are busy, the call is placed on queue and waits its turn to be served. If the delay announcements feature is active in the serving central office the calling party may receive silence, special tone, music or announcements if the call is not serviced within a customer specified length of time. The call that has been on queue the longest will be the first call served when a line becomes available. The customer determines the maximum number of calls that can be placed on queue. If the incoming call cannot be placed on queue, the calling party receives busy tone.

TECHNOLOGICAL AND FEATURE INTERACTION CONSIDERATIONS:

1. This feature is available in the following central office switches:

Switch Type	Earliest Generic Release
DCO	15.1
EWSD	7
GTD-5	1.6.2.1
1AESS	1AE8A
5ESS	5E2(2)
DMS-100	BCS25

2. In the 1A ESS and 5ESS switches, Call Waiting - Terminating and series completion cannot be assigned to lines of multiline hunt groups. The 5ESS and DMS-100 Queuing feature should not be assigned with Call Waiting - Terminating. In the DMS-100, the Universal Call Distribution feature is not compatible with Automatic Call Back, Automatic Recall, Automatic Call Distribution, Bridged Night Number, Calling Number Delivery, Calling Number Delivery Blocking, Distributed Line Hunting, Distributed Number Hunting, Multiline Hunting, Preferential Hunting and Stop Hunt.

3. References:

- LSSGR (FR-NWT-000064), FSD 01-02-0802, Multiline Hunt Service, Issue 1, May 1990.
- See definition in Section 4.2 of LSSGR (Module TR-NWT-000504), FSD 01-02-0807 Queuing for Multiline Hunt Groups.

This service, if offered as a BSE, is associated with the Circuit Switched Line basic serving arrangement.